

State of New Jersey

Department of Environmental Protection Air Quality Permitting

General Permit

Bulk Solid Materials Receiving And Storage Systems

This General Permit allows for the construction, installation, reconstruction, modification and operation of bulk solid materials receiving and storage systems using pneumatic or mechanical conveying where all particulate air contaminant emissions are captured and vented to a particulate control apparatus with a design removal efficiency of at least 99%.

This General Permit includes all equipment in the process line beginning with discharge from raw material storage and ending at the point of product storage or the start of another process. All lines of equipment for processing bulk solid material that are physically connected for flow through one or more pieces of equipment are considered a single permit unit and may use one Registration Form.

I. DEFINITIONS

The terms used in this General Permit shall have the meanings given to them in N.J.A.C 7:27 et seq., except those noted by an asterisk (*).

***Solid Materials Storage System** means all equipment in the process line beginning with discharge from raw material storage or delivery and ending at the point of product storage

***Pneumatic Receiving and Storage** means a system of transmission of bulk solids by air pressure through a tube

***Mechanical Receiving and Storage** means a system of transmission of bulk solids using screw and belt conveyors and bucket elevators

II. AUTHORITY

This General Permit is issued under the authority N.J.S.A 26:2C-9.2. This General Permit shall allow for inspection and evaluation to assure conformance with all provisions of N.J.A.C 7:27 et seq. An opportunity for public comment on this General Permit was provided on August 18, 1997.

III. APPLICABILITY

Bulk solid materials receiving and storage systems using pneumatic or mechanical conveying where all particulate air contaminant emissions are captured and vented to a particulate control apparatus with a minimum design removal efficiency of 99%.

IV. EXCLUSIONS

For bulk solid materials receiving and storage systems when the storage container solely vents into a cyclone (not followed by additional particulate control) is not eligible for this General Permit.

V. EQUIPMENT/CONTROL DEVICE SPECIFICATIONS

The Permittee shall retain on site the manufacturer's specifications or engineering calculations for particulate control apparatus showing a minimum design removal efficiency of 99%. Records shall be kept for the life of the control apparatus.

Particulate Control devices capable of achieving such removal efficiencies include, but are not limited to, baghouses, cartridge filters, and cyclones followed by afterfilters.

The Permittee shall maintain the particulate control apparatus consistent with the manufacturer's specifications.

VI. COMPLIANCE PLAN

The Bulk Solid Materials Receiving and Storage Systems covered by this General Permit is subject to the applicable requirements listed on the following pages.

COMPLIANCE PLAN: Bulk Solid Materials Receiving and Storage Systems

Item No	Applicable Requirement (State & Federal Requirement unless otherwise indicated)	Monitoring Requirement	Record keeping Requirement	Submittal/ Action
1.	This equipment shall not cause any air contaminant, including an air contaminant detectable by the sense of smell, to be present in the outdoor atmosphere in such quantity and duration which is, or tends to be, injurious to human health or welfare, animal or plant life or property, or would unreasonably interfere with the enjoyment of life or property, except in areas over which the owner or operator has exclusive use or occupancy. {N.J.A.C 7:27-5}	None	Permittee shall record in either a permanent bound log book or in readily accessible computer memories instances (date and time) when the operation of equipment has the potential to cause off-property effects. All records must be maintained on site for a minimum of 5 years. {N.J.A.C 7:27-8.13(d)3}	Any operation of the equipment which may cause a release of air contaminants in a quantity or concentration which poses a potential threat to public health, welfare, or the environment or which might reasonably result in citizen complaints shall be reported by the Permittee as required by the Air Pollution Control Act. Permittee shall immediately notify the Department of any non-compliance by calling the Environmental Action Hotline at (609)292-7172. {N.J.S.A 26:2C-19(e)}
2.	Permittee shall not use the equipment in a manner which will cause visible emissions exclusive of condensed water vapor. {N.J.A.C 7:27-8.13(a)}	Permittee shall visually observe the stack once each month if the equipment is used for more than 2 continuous hours during the month. {N.J.A.C 7:27-8.13(d)}	Permittee shall record in either a permanent bound log book or in readily accessible computer memories, that the stack was observed (date and time) and if operation of the equipment causes visible emissions exclusive of condensed water vapor. All records must be maintained on site for a minimum of 5 years. {N.J.A.C 7:27-8.13(d)3}	If visible emissions are observed, refer to operator manual for corrective measures and record corrective action. If measures fail to correct visible emissions within 24 hours of observation, report the incident in writing to the Regional Enforcement Office within three working days. {N.J.A.C 7:27-8.13(d)4}